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UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.

HENRY S. GRAVES, Forester.

October Field Program, 1917.

This program of field work and assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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(On temporary detail to War Department.)

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Goat range study.—William R. Chapline, grazing examiner, Washington, D. C.

Range reserve experiments.—Jornado Reserve: Clarence L. Forsling, grazing examiner, in charge, Las Cruces, N. Mex. Santa Rita Reserve: R. L. Hensel, forest examiner, in charge, Tucson, Ariz.

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O. C. MERRILL, chief engineer, in charge.

ROADS.—T. W. NORCROSS, assistant chief engineer, in charge.

WATER POWER.—L. A. WHITSIT, assistant engineer, in charge.

MAPS AND SURVEYS.—F. E. BONNER, assistant engineer, in charge; C. A. KOLB, geographer.

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DRAFTING.—J. M. WITHEROW.

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APPRAISAL OF LANDS.—W. W. ASHE, forest inspector in charge, Washington, D. C. Lumbermen's examinations: E. D. Fletcher, Gorham, N. H.; C. D. Cushing, Johnson City, Tenn.; George W. Marshall, Clayton, Ga. Forest Examiners: White Mountains, H. S. Davis and S. H. Thompson, Gorham, N. H.; Natural Bridge Area, H. M. Sears

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GRAZING.—C. H. ADAMS, assistant district forester.

STUDIES.—L. C. HURTT, grazing examiner.

LANDS.—F. A. FENN, assistant district forester.

CLAIMS.—P. J. O'BRIEN.

SETTLEMENT.—J. W. STREIT.

LAND CLASSIFICATION.—C. B. SWIM, assistant.

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Drafting.—F. J. COOL.

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Topographic Surveys.—J. B. YULE.

ROADS.—G. H. LAUTZ, in charge.

WATER POWER.—E. W. KRAMER, in charge.

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- Sioux.**—See South Dakota.

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WASHINGTON.

- Kaniksu.**—J. F. FORSYTHE, forest supervisor, Newport, Wash. (WU via Priest River-Am, GN, via Priest River).

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Drafting.—H. C. ORPEN.

Entry Surveys.—W. C. CAMPBELL.

ROADS.—R. E. PRATT, in charge.

WATER POWER.—————

EXPERIMENT STATIONS.

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Wagon Wheel Gap, Rio Grande National Forest.—ALONZA A. JUSTICE, of the Weather Bureau, Wagon Wheel Gap, Colo.

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La Sal.—See Utah, District 4.
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WYOMING.

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Washakie.—C. G. POOLE, forest supervisor, Lander (WU-Am); E. T. Wolf, forest examiner.

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W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

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STUDIES.—R. R. HILL, MURRELL W. TALBOTT, HUGH M. BRYAN, and PAUL H. ROBERTS, grazing examiners.

LANDS.—FRANK C. W. POOLER, assistant district forester; MORTON M. CHENEY and FRANK E. ANDREWS, national forest examiners. Classification: REX KING and H. D. BURRALL, forest examiners. Entry surveys: R. P. A. JOHNSON, surveyor.

ENGINEERING.— ———.

ROADS.—C. A. LONG, acting.

WATER POWER.—C. A. LONG, acting.

MAPS AND SURVEYS.—LEE C. DAVES, acting.

EXPERIMENT STATION.

Fort Valley, Coconino National Forest.—G. A. PEARSON, forest examiner, in charge; S. S. Van Boskirk and C. E. Behre, Flagstaff, Ariz.

NATIONAL FORESTS.

ARIZONA.

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Coronado.—PAUL P. PITCHLYNN, forest supervisor, Tucson (WU-WF); H. Basil Wales, forest examiner.

Crook.—T. T. SWIFT, forest supervisor, Safford (WU-WF).

Prescott.—EDWARD G. MILLER, forest supervisor, Prescott (WU-WF); J. C. McNelty, deputy forest supervisor.

Sitgreaves.—T. C. HOYT, forest supervisor, Snowflake (P-WF).

Tonto.—W. H. GODDARD, forest supervisor, Roosevelt (WU-WF); J. H. Sizer, deputy forest supervisor.

Tusayan.—IRA T. YARNALL, forest supervisor, Williams (WU, P-WF).

GRAND CANYON NATIONAL MONUMENT.—T. EARL WYLDER, deputy forest supervisor, Grand Canyon (P-WF).

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Coronado.—See Arizona.

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DISTRICT 4.

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SILVICULTURE.—CLINTON G. SMITH, assistant district forester; D. F. SEEREY, logging engineer; S. C. SCRIBNER, lumberman.

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GRAZING.—HOMER E. FENN, assistant district forester; ERNEST WINKLER, inspector of grazing.

STUDIES.—MARK ANDERSON, grazing examiner.

LANDS.—C. N. WOODS, assistant district forester; R. E. GERY, assistant; W. B. RICE, in charge of land classification; R. D. GARVER, in charge of entry surveys.

RESEARCH.—C. F. KORSTIAN, forest examiner, in charge.

ENGINEERING.—J. P. MARTIN, district engineer.

MAPS AND SURVEYS.—————.

Drafting.—F. I. SHAFER.

ROADS.—J. P. MARTIN, in charge.

WATER POWER.—J. P. MARTIN, in charge.

EXPERIMENT STATION.

Utah, Manti National Forest.—ARTHUR W. SAMPSON, in charge; F. S. Baker, Ephraim, Utah.

NATIONAL FORESTS.

ARIZONA.

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Kaibab.—LEE A. HARRIS, forest supervisor, Kanab, Utah (WU-WF).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU-Am).

Cache.—See Utah.

Caribou.—C. D. SIMPSON, forest supervisor, Montpelier (WU-Am); G. G. Henderson, deputy forest supervisor; T. B. Nichols, grazing studies.

Challis.—DAVID LAING, forest supervisor, Challis (WU-Am).

Idaho.—WALTER G. MANN, forest supervisor, McCall (WU-P); J. C. Roak, deputy forest supervisor.

Lemhi.—VERNON METCALF, forest supervisor, Mackay (WU-Am); C. E. Evans, forest examiner.

Minidoka.—W. M. CAMPBELL, forest supervisor, Burley (WU-Am); J. W. Stokes, forest examiner.

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU-Am); F. S. Moore, deputy forest supervisor.

Salmon.—DANA PARKINSON, forest supervisor, Salmon (WU-Am); S. S. Stewart, deputy forest supervisor.

Sawtooth.—HERBERT G. MCPHETERS, forest supervisor, Hailey (WU-Am); Leslie E. Dodge, deputy forest supervisor.

Targhee.—CHESTER B. MORSE, forest supervisor, St. Anthony (WU-Am); Samuel W. Stoddard, deputy forest supervisor; J. E. Ingram, forest examiner.

Weiser.—J. B. LAFFERTY, forest supervisor, Weiser (WU-Am); T. V. Pearson, deputy forest supervisor.

NEVADA.

Humboldt.—CLARENCE E. FAVRE, forest supervisor, Elko (WU-WF); Chas. DeMoisy, deputy forest supervisor.

Nevada.—F. L. MOTT, forest supervisor, Ely (WU-WF).

Toiyabe.—W. W. BLAKESLEE, forest supervisor, Austin (WU, P-WF); Raymond G. Steele, deputy forest supervisor, Manhattan.

UTAH.

- Ashley.**—W. M. ANDERSON, forest supervisor, Vernal (WU-WF).
Cache.—E. C. SHEPARD, forest supervisor, Logan (WU-Am); Edmund B. S. Spencer, deputy forest supervisor.
Dixie.—WM. M. MACE, forest supervisor, St. George (WU-WF).
Fillmore.—JOHN RAPHAEL, forest supervisor, Richfield (WU-WF); Bert L. Robins, deputy forest supervisor.
Fishlake.—C. A. MATTSSON, forest supervisor, Salina (WU-WF); David A. Arrivee, deputy forest supervisor.
La Sal.—S. B. LOCKE, forest supervisor, Moab (WU-WF).
Manti.—B. E. MATTSSON, forest supervisor, Ephraim (WU-WF).
Minidoka.—See Idaho.
Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).
Sevier.—J. W. HUMPHREY, forest supervisor, Panguitch (WU-WF); Wallace M. Riddle, deputy forest supervisor.
Uinta.—A. W. JENSEN, forest supervisor, Provo (WU-WF); J. Carl Allred, deputy forest supervisor.
Wasatch.—CARL B. ARENTSON, forest supervisor, Salt Lake City (WU, P-Am, WF); Louis B. Koch, scaler, in charge of Standard Timber Co. sale.

WYOMING.

- Teton.**—R. E. MILLER, forest supervisor, Jackson (WU-Am).
Wyoming.—CHARLES A. BEAM, forest supervisor, Afton (WU-Am); Nils B. Eckbo, forest examiner.

DISTRICT 5.

California and southwestern Nevada. Office, 114 Sansome Street, San Francisco, Cal.

ROY HEADLEY, acting district forester; L. H. WHITEMAN, in charge information.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—A. W. SMITH, district fiscal agent.

OPERATION.—CLARENCE WILEY, in charge; FREDERICK H. HAFLEY, telephone engineer.

MAINTENANCE.—FRANK HAYNIE.

SILVICULTURE.—T. D. WOODBURY, assistant district forester; L. W. HESS, office assistant; D. C. BIRCH, forest examiner; J. C. ELLIOTT, lumberman.

FOREST INVESTIGATIONS.—EDWARD N. MUNNS, forest examiner, Los Angeles, Cal. (care Forest Service); STUART B. SHOW, forest examiner. RALPH HOPPING, national forest examiner, insect control. E. P. MEINECKE, consulting pathologist; J. S. BOYCE, assistant pathologist.

GRAZING.—C. E. RACHFORD, assistant district forester.

STUDIES.—F. D. DOUTHITT, grazing examiner.

LANDS.—L. A. BARRETT, assistant district forester; CHAS. S. BROTHERS, assistant; W. H. FRIEDHOFF, mineral examiner; Land classification and entry surveys: P. L. DAY, national forest examiner in charge of field work in district.

ENGINEERING.—F. H. FOWLER, district engineer; J. C. DORT, assistant district engineer.

WATER POWER.—F. H. FOWLER.

MAPS AND SURVEYS.—————.

Drafting.—R. E. L. BORGFELDT.

PRODUCTS.—CARY HILL, in charge.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF).

California.—J. D. COFFMAN, forest supervisor, Oriental (WU via Wil-lows-WF via Fruto); B. H. Mace, deputy forest super-visor.

Cleveland.—N. H. SLOANE, forest supervisor, Escondido (WU-WF).

Eldorado.—EDWARD I. KOTOK, forest supervisor, Placerville (WU-WF).

Inyo.—A. H. HOGUE, forest supervisor, Bishop (WU-WF).

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU-WF); Knower Mills, forest examiner.

Lassen.—JAMES O. MORROW, forest supervisor, Red Bluff (P-WF).

Modoc.—W. G. DURBIN, forest supervisor, Alturas (WU-WF).

Mono.—See Nevada.

Monterey.—HAMILTON G. MERRILL, forest supervisor, King City (WU-WF).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU-Am); Frank B. Cayot, deputy forest supervisor; George R. Orr and Reese W. Taylor, forest examiners.

Santa Barbara.—J. R. HALL, forest supervisor, Santa Barbara (P-WF).

Sequoia.—S. W. WYNNE, forest supervisor, Bakersfield (WU-WF); F. P. Cunningham, deputy forest supervisor; George W. Lyons, forest examiner.

Shasta.—R. F. HAMMATT, forest supervisor, Sisson (P-WF); E. B. Long, lumberman; Belknap C. Goldsmith, forest examiner. Pilgrim Creek Nursery.

Sierra.—M. A. BENEDICT, forest supervisor, Northfork (WU via Friant-WF via Friant) ; Chester E. Jordan, deputy forest supervisor ; J. V. Wulff, forest examiner.

Stanislaus.—R. W. AYRES, forest supervisor, Sonora (WU-WF) ; T. C. West, deputy forest supervisor ; M. R. Tillotson, deputy forest supervisor, timber sales.

Tahoe.—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF) ; W. A. Merrill, deputy forest supervisor ; L. T. Larsen, forest examiner.

Trinity.—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF) ; Ernst V. Jotter, forest examiner ; Oscar M. Evans, forest examiner, timber surveys.

NEVADA.

Eldorado.—See California.

Inyo.—See California.

Mono.—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF).

Tahoe.—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester ; A. G. JACKSON, education.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester ; M. L. MERRITT, assistant in improvement work ; C. M. ALLEN, telephone engineer.

MAINTENANCE.—H. M. WHITE.

SILVICULTURE.—F. E. AMES, assistant district forester ; THORNTON T. MUNGER, forest examiner ; W. T. ANDREWS and C. H. WOODCOCK, logging engineers ; L. A. NELSON and EDWIN C. ERICKSON, lumbermen ; BRUCE HOFFMANN, G. A. BRIGHT, and A. A. GRIFFIN, forest examiners ; A. J. JAENICKE, forest examiner on insect control.

PLANTING.—J. F. KÜMMEL and W. H. LEVE, forest examiners.

GRAZING.—T. P. MACKENZIE, assistant district forester ; J. L. PETERSON, grazing examiner.

LANDS.—C. J. BUCK, assistant district forester.

CLASSIFICATION, BOUNDARIES, AND USES.—C. J. BUCK.

SETTLEMENT.—A. H. WRIGHT, national forest examiner.

CLAIMS AND STATIONS.—FRANK A. LAW, Jr., clerk.

WASHINGTON STATE LAND EXCHANGE.—STANTON G. SMITH, forest supervisor, Seattle; WM. RYLE TEED, national forest examiner, State House, Olympia, Wash.

ENGINEERING.———.

MAPS AND SURVEYS.—A. H. HODGSON, in charge.

Drafting.—R. H. ROBERTSON.

WATER POWER.—R. R. RANDELL, acting.

PRODUCTS.—CLAUDE E. GREIDER, acting in charge, Portland; C. W. ZIMMERMAN, CORNELIUS BARRY, and E. G. SNELL, Seattle, Wash.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Carson, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thomas M. Hunt, forest supervisor, Seward (WU, P-WF).

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); R. L. Fromme, forest supervisor on detail; George L. Drake, deputy forest supervisor; R. E. Kan Smith, forest examiner.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF); B. F. Heintzleman, deputy forest supervisor; T. J. Starker, forest examiner.

Crater.—M. L. ERICKSON, forest supervisor, Medford (WU, P-WF); H. D. Foster, deputy forest supervisor; Fred A. Matz, national forest examiner.

Deschutes.———, forest supervisor, Bend (WU, P); W. J. Sproat, forest examiner.

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev-P, WF); R. A. Bradley, deputy forest supervisor.

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker-Am, WF via Baker).

Minam.—EPHRAIM BARNES, forest supervisor, Baker (WU-Am).

Ochoco.—V. V. HARPAM, forest supervisor, Prineville (WU, PT & T-Am).

- Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, deputy forest supervisor; Carl B. Neal and W. B. Osborne, forest examiners.
- Santiam.—C. C. HALL, forest supervisor, Albany (WU, P-WF); A. R. Wilcox, forest examiner.
- Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P-WF); D. B. Reynolds, deputy forest supervisor; H. A. Haefner, forest examiner.
- Siuslaw.—H. B. RANKIN, forest supervisor, Eugene (WU, P-WF); C. T. Beach, deputy forest supervisor; H. M. Johnson and L. B. Pagter, forest examiners.
- Umatilla.—W. W. CRYDER, forest supervisor, Pendleton (WU, P-Am); F. V. Horton, grazing examiner.
- Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF); George Bonebrake, deputy forest supervisor; R. S. Wallace, forest examiner.
- Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); N. J. Billings, deputy forest supervisor.
- Wenaha.—See Washington.
- Whitman.—R. M. EVANS, forest supervisor, Baker (WU-Am); I. E. Jones, deputy forest supervisor; O. F. Ericson, forest examiner.

WASHINGTON.

- Chelan.—E. H. MACDANIELS, forest supervisor, Chelan (PT & T-Am, GN via Wenatchee).
- Columbia.—F. H. BRUNDAGE, forest supervisor, Portland, Oreg. (WU, P-Am, WF, N); L. Wernsted, forest examiner.
- Colville.—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor.
- Okanogan.—P. T. HARRIS, forest supervisor, Okanogan (PT & T-Am, GN via Wenatchee); L. E. McDaniels, deputy forest supervisor.
- Olympic.—J. ROY HARVEY, acting forest supervisor, Olympia (WU, P-Am, GN, N); A. A. Parker, deputy forest supervisor; E. J. Hanzlik, forest examiner.
- Rainier.—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); E. J. Fenby, deputy forest supervisor; F. B. Kellogg, forest examiner.
- Snoqualmie.—STANTON G. SMITH, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Trenn, jr., deputy forest supervisor.
- Washington.—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N); R. L. Campbell, deputy forest supervisor.
- Wenaha.—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N).
- Wenatchee.—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN); Robert Craig, jr., deputy forest supervisor.

DISTRICT 7.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

F. W. REED, acting district forester.

OPERATION.—H. O. STABLER, assistant district forester.

SILVICULTURE.—F. W. REED, assistant district forester.

GRAZING.—C. L. SMITH, national forest examiner.

LANDS.—F. W. REED, assistant district forester; W. F. HILL, land classification.

ENGINEERING.—H. O. STABLER, assistant district forester, in charge.

NATIONAL FORESTS.

ARKANSAS.

Arkansas.—R. C. HUEY, forest supervisor, Hot Springs (WU, P-WF, P);
E. J. Mead, deputy forest supervisor.

Ozark.—C. J. HELLER, acting forest supervisor, Harrison (WU-WF).

FLORIDA.

Florida.—L. L. BISHOP, acting forest supervisor, Pensacola, Fla. (WU, P).

OKLAHOMA.

Wichita.—FRANK RUSH, forest supervisor, Cache (WU-WF).

PORTO RICO.

Luquillo.—E. MURRAY BRUNER, forest supervisor, Rio Piedras.

PURCHASE AREAS.

Alabama.—L. L. BISHOP, acting forest supervisor, Pensacola, Fla.

Cherokee-Georgia.—H. G. SPAHR, forest examiner, in charge, Blue Ridge, Ga. (WU, P-Ad).

Monongahela.—H. L. JOHNSON, deputy forest supervisor, Elkins, W. Va. (WU, P-Ad).

Natural Bridge.—J. H. FAHRENBACH, forest examiner, in charge, Buena Vista, Va. (WU, P-Ad, So).

Pisgah (includes Boone, Mount Mitchell, Nantahala, and Pisgah purchase areas and Pisgah National Forest and Game Preserve).—VERNE RHOADES, forest supervisor, Asheville, N. C. (WU, P-So).

Savannah.—R. W. SHIELDS, forest examiner, in charge, Clayton, Ga. (WU, P-So).

Shenandoah (includes Shenandoah, Massanutten, and Potomac purchase areas).—S. H. MARSH, forest supervisor, Harrisonburg, Va. (WU, P-Ad, So).

Unaka.—E. P. BUSHNELL, forest examiner, in charge, Johnson City, Tenn. (WU, P-So).

White Top.—H. L. RUSSELL, forest examiner, in charge, Abingdon, Va. (WU, P-So).

White Mountain.—J. J. FRITZ, forest supervisor, Gorham, N. H. (WU, P-Am).

SERVICE CHANGES.

FURLOUGHED FOR MILITARY DUTY.

WASHINGTON OFFICE.—William B. Greeley, assistant forester; R. Y. Stuart and Allen S. Peck, forest inspectors; R. C. Hall and W. M. Moore, forest examiners; D. T. Mason, collaborator.

DISTRICT 1.—Topliff O. Paine, forest ranger, Sioux; William M. Rush, forest ranger, Cabinet; Kenneth Wolfe, forest ranger, Cabinet; Joseph Kittredge, jr., forest examiner, district office; John C. Ketridge, forest examiner, Missoula; Emil A. Anderson, deputy forest supervisor, Blackfeet; James F. Brooks, forest ranger, Blackfeet; Donald R. Brewster, forest examiner, district office; J. C. De Camp, grazing assistant, Clarence W. Beaman, messenger, E. F. Jones, forest examiner, F. J. Klobucher, forest ranger, E. J. Yeomans, forest ranger.

DISTRICT 2.—John Burgess, surveyor draftsman, district office; Thomas H. Gill, forest ranger, Colorado; Hal L. Stults, forest ranger, Black Hills; Fred B. Agee, deputy forest supervisor, Pike; J. Earl Oliver, forest ranger, Harney; Fred D. Mendenhall, surveyor draftsman, district office; Lewis L. Segur, forest ranger, Routt; Raymond P. Inskeep, forest ranger, Rio Grande; Frank L. Archer, forest clerk, Shoshone; C. M. Granger, assistant district forester, district office; Walter C. Clemmons, forest ranger, Holy Cross; Edwin L. Bennett, forest ranger, Cochetopa.

DISTRICT 3.—Robert L. Deering, forest examiner, district office; George W. Kimball, forest examiner, Tusayan; Alfred W. Voight, forest ranger, Coconino; Oscar F. Schaefer, forest ranger, Coconino; Carl H. Riblett, forest ranger, Coconino; Raymond F. Grefe, forest ranger, Grand Canyon; Henry C. Deutsch, forest ranger, Coconino; James H. Billingslea, jr., forest ranger, Apache; E. T. F. Wohlenberg, forest examiner, Coconino; Rollin C. Hill, forest ranger, Lincoln; Ralph W. Hussey, forest ranger, Gila; Walter C. Lowermilk, forest ranger, Santa Fe; Fred H. Miller, forest ranger, district office; Percy H. Harley, forest clerk, Coronado; Ferry D. Lewis, forest ranger, Datil; Albert W. Hendrix, forest ranger, Coronado; Clifford R. Minner, forest ranger, Datil; Clifford H. Stewart, forest ranger, Santa Fe; Robert B. Ewing, forest ranger, Datil; Robert H. Zieger, forest ranger, Datil; Robert C. Salton, forest ranger, Datil; Bascom H. Brown, forest ranger, Santa Fe; Roy Swapp, forest ranger, Apache; Louis Ketcham, forest ranger, Datil; Harry A. Chamberlain, forest ranger, Tonto; Charles E. Simpson, forest ranger, Carson; Edgar L. Perry, forest

ranger, Carson ; Emanuel Fritz, forest assistant, Fort Valley Exp. Sta. ; Stanley F. Wilson, forest ranger, Coronado ; Matthew J. Culley, forest ranger, Santa Fe ; Thorvald S. Hansen, forest assistant, Fort Valley Exp. Sta. ; H. Norton Cope, forest ranger, Crook ; Enoch W. Nelson, grazing assistant, district office ; Theron R. Littlefield, forest ranger, Tonto ; George E. Galer, forest ranger, Apache.

DISTRICT 4.—L. E. Hicks, forest ranger, Wyoming ; Tura M. Aldous, grazing ; Jack Albano, forest ranger, Targhee ; E. Morgan Pryse, forest ranger, Targhee ; John B. Barr, forest ranger, Weiser ; James F. Dubuar, forest assistant, Wasatch ; John Gilman, forest ranger, Sawtooth ; Guy C. Hendrickson, forest clerk, Sawtooth ; Fred H. Betts, forest ranger, Minidoka ; Jesse L. Bedwell, forest ranger, Weiser ; Max B. Baldenburg, clerk, district office ; Harry E. Malmstein, grazing assistant, Sevier ; Vern A. Bird, forest ranger, Ashley.

DISTRICT 5.—Coert DuBois, district forester ; Lloyd P. Emerick, forest clerk, Shasta ; Evan W. Kelley, national forest examiner, district office ; David P. Godwin, national forest examiner, district office ; Martin E. White, forest ranger, Shasta ; John K. Berry, scaler, Sierra ; Duncan Dunning, forest assistant, Plumas ; William H. Gallaher, forest examiner, district office ; Swift Berry, logging engineer, district office ; Ed Badertscher, temporary clerk, Plumas ; Rollin A. Fairchild, forest clerk, Klamath ; E. Leonard Lundgren, engineer, district office ; C. L. Rixson, forest clerk, Monterey ; Ivan A. Cuff, forest ranger, Cleveland ; Vincent E. Speers, forest clerk, Stanislaus ; Edwin F. Smith, forest ranger, Lassen.

DISTRICT 6.—Charles J. Kraebel, forest assistant, district office ; Raymond H. Thompson, forest ranger, Colville ; George M. Sadler, forest ranger, Rainier ; Harry R. Elliott, forest ranger, Colville ; Herbert S. Ward, clerk, district office ; Emil F. Dallenbach, messenger boy, district office ; William H. Gibbons, forest examiner, district office ; Robert H. Weitknecht, forest assistant, district office ; William E. White, forest examiner, Minam ; C. S. Chapman, forest assistant, district office ; H. B. Oakleaf, forest examiner, district office ; Royal J. Girk, forest clerk, Snoqualmie ; Shirley Buck, national forest inspector, district office.

DISTRICT 7.—E. V. Clark, forest supervisor, Ozark ; S. L. Wolfe, forest examiner, district office ; Francis Kiefer, assistant district forester, district office.

APPOINTED.

DISTRICT 1.—Paul C. Kitchen and Wm. J. McCarthy, Blackfeet, forest assistants ; Earl V. Storm, Jefferson, grazing assistant ; Howard R. Flint, Flathead, timber cruiser ; Frank E. Norton, Bitterroot, Errol D. Crittenden, St. Joe, scalers ; W. R. Johns, Absaroka, M. G. Ramsey, Beaverhead, Arnold H. Lynn, Cabinet, Howard McGill, Helena, forest rangers ; Karl J. Kirkpatrick, Madison, forest clerk ; Carla C. Bartel-

son, Absaroka, Mattie C. Payne, Pend Oreille, clerks (stenographers and typewriters) ; H. C. Kuhl, assistant engineer.

DISTRICT 2.—H. Ellis Sealing, draftsman (topographic) ; Lizzie Tarr, Gunnison, clerk (stenographer and typewriter) ; Sheldon C. Barnum, Black Hills, John E. Krause, Hayden, Clarence L. Kerns and Walter C. Clemmons, Holy Cross, Jesse M. Mann and Winthrop H. Merriam, Pike, John A. Cox, Sopris, Thomas A. Denley and Elbert V. Everett, Superior, Thomas E. Jacques, Uncompahgre, Frank L. Trickle, White River, forest rangers.

DISTRICT 3.—H. H. Chapman, assistant district forester ; Enoch W. Nelson, grazing assistant ; Charles F. Farmer, civil engineer ; Ira K. Cummings, Carson, forest clerk ; Grace M. Sweeney, Coronado, Helen A. Sample, Datil, Bertha M. Hoffner, Sitgreaves, Joyce Chase, clerks (stenographers and typewriters) ; Ruth Safford, Santa Fe, clerk (typewriter).

DISTRICT 4.—Albert E. Blood, Ashley, Joshua A. Brower and John F. Woodman, Targhee, Clarence Wyatt, Toiyabe, forest rangers ; Lawrence E. Horne, Fillmore, clerk (stenographer and typewriter) ; Edna Baker, Fillmore, Muriel M. Littlefield and Howard J. Stratford, Humboldt, clerks (typewriters) ; James Nelson, unskilled laborer.

DISTRICT 5.—Catherine C. Deneen and Zitella Smith, Shasta, clerks (stenographers and typewriters) ; Pearl Boothe, Sierra, telephone operator ; Fred P. Cronemiller, jr., Modoc, grazing assistant.

DISTRICT 6.—Ivy I. Boeck and Ida E. Ringstedt, clerks (stenographers and typewriters) ; William H. Goodrich and Oliver W. Johnston, forest rangers ; Frank B. Myers, Karl G. Meschke, and Robert A. Zeller, forest assistants.

PROMOTED IN RANK.

DISTRICT 1.—Lewis T. Morgan, Jefferson, forest ranger to deputy forest supervisor ; C. C. Delavan, forest assistant to forest examiner.

DISTRICT 2.—John W. Spencer, Battlement, forest examiner to forest supervisor ; Arthur F. C. Hoffman, San Juan, deputy forest supervisor to forest supervisor ; Charles L. Cecil, Superior, forest ranger to deputy forest supervisor.

DISTRICT 3.—William R. Warner, Apache, Edward P. Ancona, Carson, William J. Anderson, Lincoln, forest rangers to deputy forest supervisors ; Elliot S. Barker, Carson, O. Fred Arthur, Gila, deputy forest supervisors to forest supervisors ; Frank T. Murphey, Carson, Marinus Westveld, Lincoln, forest rangers to forest examiners ; Murrell W. Talbot, Hugh M. Bryan, and Paul H. Roberts, forest rangers to grazing examiners.

DISTRICT 4.—Clarence E. Favre, Humboldt, deputy forest supervisor to forest supervisor ; Charles DeMoisy, jr., forest ranger, Ashley, to deputy forest supervisor, Humboldt ; Thomas V. Pearson, Weiser,

forest ranger to deputy forest supervisor ; Lawrence J. Palmer, Cache, Leon H. Weyl, Utah Experiment Station, grazing assistants to grazing examiners.

DISTRICT 6.—John C. Kuhns, Douglas C. Ingram, and Walter L. Dutton, forest rangers to grazing examiners.

DISTRICT 7.—C. A. Plymale, Arkansas, forest ranger to national forest examiner ; John D. Lawrence, White Mountain, assistant forest ranger to forest ranger.

CHANGE IN DESIGNATION.

DISTRICT 1.—C. Lee Billings, deputy forest supervisor to forest examiner.

DISTRICT 2.—Wallace I. Hutchinson, forest supervisor to forest examiner ; Allen W. Murdock, Arapaho, Charles Steuart, Montezuma, Clarence E. Taylor, San Isabel, Robert G. Schreck, Washakie, forest rangers to forest assistants.

DISTRICT 5.—James O. Morrow, Lassen, national forest examiner to forest supervisor.

RESIGNED.

DISTRICT 1.—H. J. A. Grossman, Jefferson, deputy forest supervisor ; F. I. Rockwell, Coeur d'Alene, forest examiner ; Jay B. Fletcher, Flathead, scaler ; Thomas J. Carney, Beartooth, Arthur M. Keas, Beaverhead, John W. Long, Clearwater, Hugh F. Sheehy, Jefferson, Henry P. Gabel, Kaniksu, W. L. Gooch, Sioux, forest rangers ; Raymond A. Fager, Beaverhead, forest clerk ; Charlotte Harris, Gallatin, Vera L. Savage, Jefferson, Carol S. Garby, clerks (stenographers and typewriters) ; Fred R. Mason, lumberman.

DISTRICT 2.—Ann G. Harrington, clerk (stenographer and typewriter) ; Ralph G. McTavish, blueprinter ; Julius W. Kroger, Routt, Andrew J. Loftus, San Isabel, Cecil P. Blake, Sopris, forest clerks ; James N. Langworthy, Uncompahgre, forest supervisor ; Harrison V. Bailey, White River, forest assistant ; Richard H. Boerker, Fremont Experiment Station, forest examiner ; Clarence H. Bowen, Durango, Frank A. Powell, Holy Cross, Lewis R. Rist, Montezuma, Benjamin I. Beaty and Harry O. Halleck, Sopris, William Stell, Uncompahgre, forest rangers.

DISTRICT 3.—Raymond W. Eddy, messenger boy ; Laura F. Noble, clerk (typewriter) ; Charles F. Farmer, civil engineer ; Guy B. Rencher, Apache, Owen L. Lovejoy, Gila, Edward L. Yott, Lincoln, Virgil D. Smith, Sitgreaves, Joseph M. Daly, Tusayan, Robert Stephenson, forest rangers ; Frederick L. Meeker, Manzano, clerk.

DISTRICT 4.—Columbus I. Huddle, Lemhi, forest supervisor; Ruby C. Fields, Idaho, Mark K. Cherry, Lemhi, Samuel E. Sternberg, Salmon, James A. Cahill, Toiyabe, forest rangers; Herbert A. Spokesfield, Caribou, Hensley G. Harris, Targhee, forest clerks; Olivia Jensen, Fillmore, Ruth G. Wood, Humboldt, clerks (typewriters).

DISTRICT 5.—Iras Kobicke, Klamath, Frank A. Johnson, clerks (stenographers and typewriters); Joseph G. Shumate, draftsman; Roscoe Parkison, Lassen, forest ranger; William J. Rushing, Lassen, forest supervisor; Burnett Sanford, Sierra, forest assistant.

DISTRICT 6.—Hiram E. Newell, messenger; Arthur E. Kloe, Joe A. Brinkley, and Newton A. Wilcox, forest rangers; Frank P. Collins, John W. Siegel, and Charles J. Clifford, forest clerks; Wilmot W. G. Hastings and Homer Ross, forest supervisors.

DISTRICT 7.—William W. Day, Florida, forest ranger.

SERVICE NOTES FOR OCTOBER.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 2—

United States *v.* Charles Miller: Timber trespass, Holy Cross National Forest. Settled by payment of \$71.43.

United States *v.* William Kyler: Fire trespass, Bighorn National Forest. Plea of guilty entered and fine of \$50 imposed.

Law Cases in District 3—

United States *v.* Fred T. Christensen: Grazing trespass, Carson National Forest. Case closed on payment of \$10, the value of the forage.

United States *v.* James A. Cosper: Grazing trespass, Apache National Forest. Case closed on payment of \$3.75, the value of the forage.

United States *v.* William H. Collie; Occupancy trespass, Coronado National Forest. Costs of case paid and case dismissed, illegal fence having been removed.

United States *v.* Hampton, Patty & Montgomery: Grazing trespass, Apache National Forest. Case closed on payment of \$281.25, the value of the forage.

United States *v.* Hooker & Kellogg: Grazing trespass, Apache National Forest. Case closed on payment of \$62.50, the value of the forage.

United States *v.* Virgil F. Leonard: Grazing trespass, Apache National Forest. Case closed on payment of \$12.50, the value of the forage.

United States *v.* Edgar Laney: Grazing trespass, Apache National Forest. Case closed on payment of \$112.50, the value of the forage.

United States *v.* Vere Laney: Grazing trespass, Apache National Forest. Case closed on payment of \$81.25, the value of the forage.

United States *v.* Will Laney: Grazing trespass, Apache National Forest. Case closed on payment of \$73.75, the value of the forage.

United States *v.* Shellhorn & Bishop: Grazing trespass, Gila National Forest. Case closed on payment of \$64.27, \$14.27 actual and \$50 punitive damages.

United States *v.* Hugh Trainor: Grazing trespass, Apache National Forest. Case closed on payment of \$12.50, the value of the forage.

United States *v.* Juan I. Trujillo: Grazing trespass, Carson National Forest. Case closed on payment of \$2.28, the value of the forage.

Law Cases in District 4—

United States *v.* Park Placer No. 3: Occupancy trespass, Humboldt National Forest, involving a mining location upon an administrative withdrawal. Application for patent withdrawn on showing made in Government's depositions.

United States *v.* Ray D. Anderson et al.: Trespass, criminal, Targhee National Forest. In the case of the United States *v.* Ray D. Anderson, W. T. Anderson, Fred Nelson, and William R. Gibson, charged with cutting hay without permit from lands in the Targhee National Forest, Ray D. Anderson was fined \$25 without costs, W. T. Anderson and Fred Nelson were fined \$50 each and costs, amounting to \$112 each, and William R. Gibson was fined \$25 and costs, amounting to \$112; the case is closed.

United States *v.* Ray D. Anderson: Trespass, criminal, Targhee National Forest. Defendant was arraigned in United States court at Cheyenne July 10, and on plea of guilty was fined \$25 and costs, amounting to \$112. The defendant was also charged with making unlawful settlement in the Targhee National Forest, and on report from the forest supervisor that the settlement and occupancy were discontinued after the court proceeding, the case was closed.

United States *v.* Ludovic Isoard: Grazing trespass, Cache National Forest. The sum of \$100 tendered in settlement; acceptance recommended by Secretary of Agriculture.

United States *v.* Thomas J. Jones (heir of Lamoni L. Jones): Occupancy trespass, Sevier National Forest. Proceedings dismissed pursuant to decision of Supreme Court in the case of Lane *v.* Hoglund.

United States *v.* Cecil H. Hopf: Occupancy trespass, Targhee National Forest. Proceedings dismissed pursuant to decision of Supreme Court in the case of Lane *v.* Hoglund.

United States *v.* L. A. Olsen: Grazing trespass, Manti National Forest. Case closed August 8, 1917, on payment of \$73.30 damages (\$23.30 actual and \$50 punitive).

United States *v.* George A. Smith: Grazing trespass, Boise National Forest. Case closed on payment of \$12.70 on September 6, 1917.

United States *v.* Etchecahar & Bidegain: Grazing trespass, Lemhi National Forest. Case closed upon payment of \$12 on September 6, 1917.

United States *v.* Mary Gower: Occupancy trespass, Sevier National Forest. Proceedings dismissed pursuant to decision of Supreme Court in the case of Lane *v.* Hoglund.

United States *v.* Thomas C. Walker: Occupancy trespass, Sevier National Forest. Proceedings dismissed pursuant to decision of Supreme Court in the case of Lane *v.* Hoglund.

Law Cases in District 5—

United States *v.* Barne Co.: Fire trespass, Mono National Forest. Case closed upon payment of \$57, representing damage to timber and cost of extinguishing the fire.

United States *v.* C. A. Hufford: Grazing trespass, Lassen National Forest. Case closed upon payment of \$93.60. the value of the forage.

United States *v.* R. M. Pardue: Trespass, Modoc National Forest. Case closed upon payment of \$15, the value of hay cut in trespass.

United States *v.* Silas Kreigh: Trespass, Modoc National Forest. Case closed upon payment of \$16, value of hay cut in trespass.

United States *v.* D. Sharples: Fire trespass, Angeles National Forest. Case closed upon payment of \$31.38, actual damages.

United States *v.* Adams & West: Fire trespass, Santa Barbara National Forest. Nine dollars and fifty cents actual damages paid; case closed.

United States *v.* Standard Lumber Co.: Timber trespass, Stanislaus National Forest. Case closed upon payment of \$105.80 damages.

United States *v.* Peckinpah Lumber Co.: Timber trespass, Sierra National Forest. Case closed upon payment of \$205.13 damages.

Law Cases in District 6—

United States *v.* P. J. McHugh and P. J. McHugh Paving & Construction Co.: Fire trespass, civil, Snoqualmie National Forest. The trial in this case was held at Seattle, Wash., September 20, 21, 25, and 26, to recover damages to timber reproduction in the sum of \$682, and the cost of fighting the fire, amounting to \$1,096. Jury returned a verdict of \$1 and costs against the P. J. McHugh Paving & Construction Co. The costs amount to approximately \$600. Motion for new trial will be made.

United States *v.* Jake S. McCown: Grazing trespass, criminal, Oregon National Forest. Defendant was indicted July 2 and information filed against him July 13. On September 15 he plead guilty to both indictment and information and was fined \$750, and temporary injunction secured August 17 was made permanent.

United States *v.* Southern Pacific Railway Co.: Fire trespass, civil, Santiam National Forest. On August 29 the defendant made payment in full, \$379.40, for damage resulting from a fire set by the employees of the defendant company.

State of Washington *v.* W. H. Crawford: Fire trespass, Colville National Forest. Defendant was arrested under warrant secured under State law by supervisor of Colville National Forest for setting fire during closed season on his claim within the National Forest, and on September 21, 1917, was found guilty and fined \$25 and costs amounting to \$47. On account of failure to pay fine, defendant is serving 25 days in Okanogan county jail.

SERVICE PUBLICATIONS ISSUED.

Department Bulletin 556.—Mechanical Properties of Woods Grown in the United States.

Unnumbered Publication.—Rules and Regulations Permitting Prospecting, Development, and Utilization of the Mineral Resources of Lands Acquired Under the Act of March 1, 1911.

Unnumbered Publication.—First Aid to the Injured.

Office of the Secretary, Report 117.—The Substitution of Other Materials for Wood.

CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

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